

Figure 1

2024.06.29.1.100593

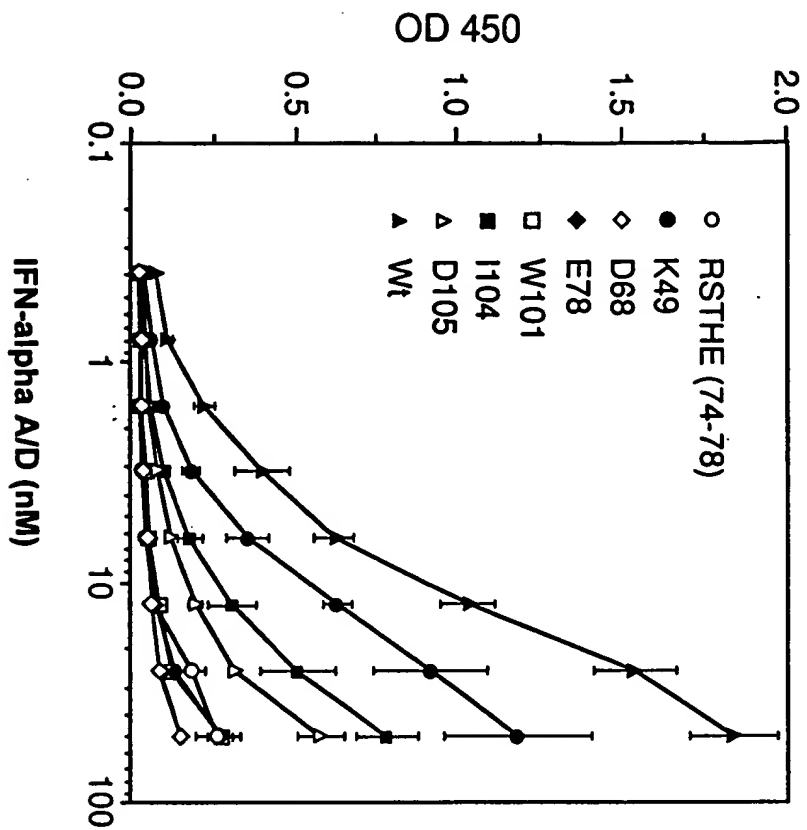


Figure 3A

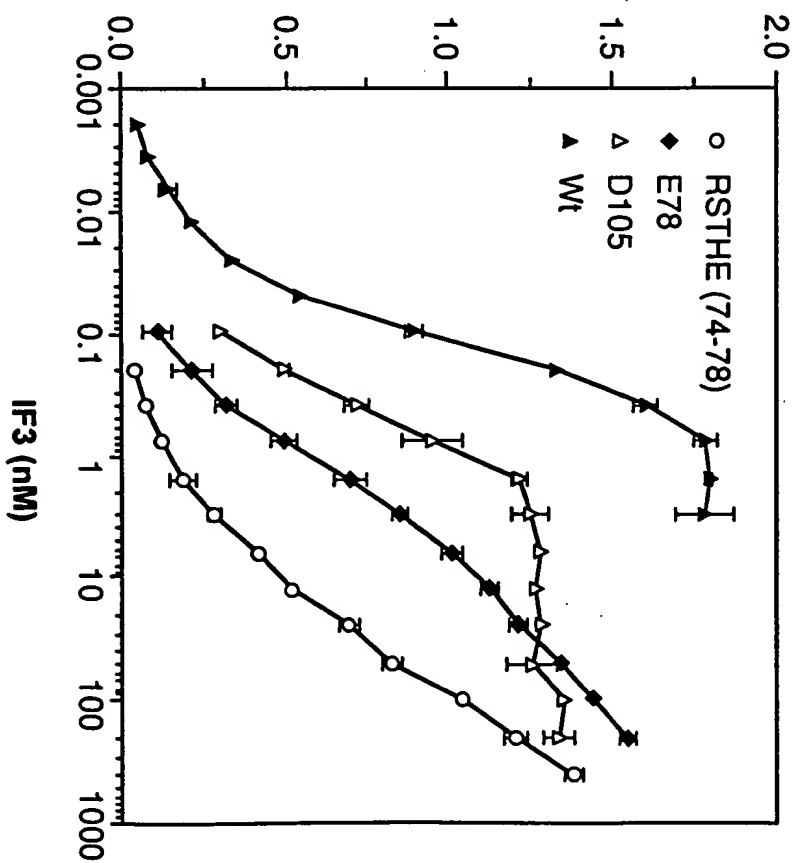
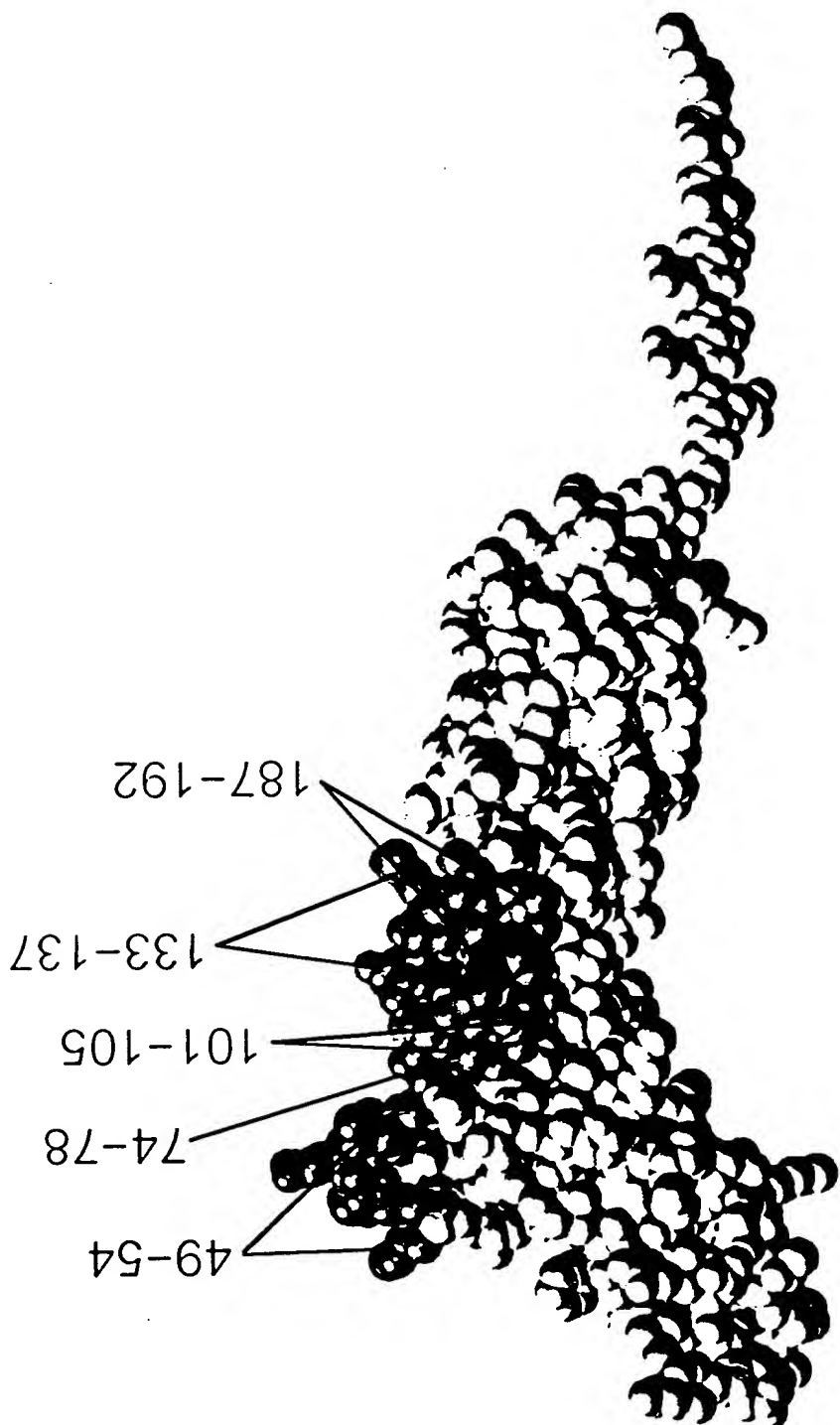


Figure 3B

Figure 4



1 GAATTCCTAA AATAGCAAA GATGCTTTG AGCCGAATG CCTTCATCGT CAGATCACTT AATTGGTTC TCATGGTGTA TATCAGCCTC GTGTTGGTA
CTTAAGGATT TTATCGTTT CTAGCAAAAC TCGGCTTTAC GGAAGTAGCA GTCTAGTGA TTAACCAAG AGTACCACAT ATAGTCGAG CAAACCAT
11e

human alpha beta receptor

101 TTTCATATGA TTGCGCTGAT TACACAGATG AATCTTGCAC TTTCAGATA TCATTGCGAA ATTTCCGGTC CATCTTATCA TGGGAATTAA AAAACCACTC
AAGTATACT AAGCGACTA ATGTGTCTAC TTAGAAGCTG AAGTTCTAT AGTAACGCTT TAAAGGCCAG GTAGAATAGT ACCCTTAATT TTTGGTGAG

2 SerTyraS pSerProasp TyrThrAspG lSerCysTh rPheLysIle SerLeuArgA snPheArgSe rIleLeuSer TrpGluLeul yAsnHisSer

201 CATTTGACCA ACTCACTATA CATGCTGTA TACAATCATG AGTAACCAAG AAGATTGAA GGTGGTTAAG AACTGTGCAA ATACCACAAG ATCAATTGTT
GTAACATGTT TGAGTGATAT GTAACGACAT AGTTAGTAC TCATTGGTC TTCTAACTT CCACCAATTC TTGACACGTT TATGGTGTTC TAGTAACA
35 IleValPro ThrHisTyrT hrLeuLeuTy rThrIleMet SerLysProG lAspLeuLy sValValLys AsnCysAlaA snThrThrAr gSerPheCys

301 GACCTCACAG ATGAGTGGAG AAGCACACAC GAGGCTATG TCACCGTCTT AGAAGATTTC AGCGGGAACA CAACGTTGTT CAGTTGCTCA CACAATTCTT
CTGGAGTGT TACTCACCTC TTCGTGTGTG CTCGGATAC AGTGCAGGA TCTTCCTAAG TCGCCCTTGT GTTGCAACAA GTCAACGAGT GTGTTAAAGA
68 Aspleuthra srgLutPrar gSerThrHis GluAlaTyrV alThrValle uGluGlyPhe SerGlyAsnT hrThrLeuPh eSerCysSer HisAsnPhetTrp

401 GGCTGGCCAT AGACATGCTT TTGAACCAC CAGAGTTTGA GATTGTTGT TTTACCAACC ACATTAATGT GATGGTGAA TTTCATCTA TTGTTGAGGA
CCGACCGGTA TCTGTACAGA AACTGTGTG GTCTCAACT CTACACACCA AATGGTTGG TGTAAATTACA CTACCACTTT AAGGTAGAT AACAACTCCT

102 LeuAlaIle eAspMetSer PheGluProp roGluPheGl uIleValGly PheThrAsnH isIleAsnVa lMetValLys PheProserI leValGluGlu

501 AGAATTACAG TTTGATTAT CTCTCGTCAT TGAAGAACAG TCAGAGGGA TTGTTAAGAA GCATAAACC GAAATAAAG GAAACATGAG TGGAAATTTC
TCTTAATGTC AAACTAATA GAGAGCAGTA ACTCTGTGTC AGTCTCCCTT AACATTTCTT CGTATTTGGG CTTTATTTC CTTGTACTC ACCTTTAAAG

135 GluLeuGln PheAspLeus erLeuValIle eGluGluGln SerGluGlyI leValLysLy sHisLysPro GluIleLysG lYAsnMetSe rGlyAsnPhe

601 ACCTATATCA TTGACAAGTT AATTCCAAC ACGAACTACT GTGTATCTGT TTATTTAGAG CACAGTGATG AGCAAGCAGT AATAAGTCT CCCTTAAAT
TGATATAGT AACTGTTCAA TTAAGTTTG TGCTTGATGA CACATAGACA AATAATCTC GTGTCACTAC TCGTTCGTCA TTATTTGAGA GGAATTTA
68 ThrTyrlleI leAspLysLe uIleProasn ThrAsnTyrC ysValSerVa lTyrLeuGlu HisSerAspG lGluAlaVa lIleLysSer ProLeuLysCys

701 GCACCCCTCCT TCCACCTGGC CAGGAATCAG AATCAGCAGA ATCTGCCGAC AAAACTCACA CATGCCACC GTGCCAGCA CCTGAACCTC TGGGGGAGCC
CGTGGAGGA AGGTGAGCCG GTCCTTAGTC TTAGTCGTCT TAGACGGCTG TTTTGAGTGT GTACGGGTG CACGGGTGCT GGAATTGAGG ACCCCCTGG

202 ThrLeuLe uProProGly GluGluSerG lSerAlaGl uSerAlaAsp LysThrHisT hrCysProPr oCysProAla ProGluLeul euglyGlyPro
IggI

801 GTCAGTCTTC CTCTTCCCC CAAAACCCAA GGACACCCCTC ATGATCTCCC GGAACCCCTGA GGTCAATGC GTGGTGTTG ACGTGAGCCA CGAAGACCTT
CAGTCAGAG GAGAGGGGG GTTTGGGTT CCTGTGGAG TACTAGAGGG CCTGGGAGCT CCAGTGTAAG CACCAACACC TGCACCTGGT GCTTCTGGGA

235 SerValPhe LeuPheProp roLysProLy sAspThrLeu MetIleSera rglThrProGl uValThrCys ValValVala spValSerHi sgluAspPro

Figure 5A

09165998.100598

901 GAGGTCAAGT TCAACTGGTA CGTGACGGC GTGAGGTGC ATAATGCCAA GACAAAGCCG CCGGAGGAGC AGTACAACAG CACGTACCAG GTGTCACGC
 CTCGAGTTCA AGTTGACCAT GCACCTGCCG CACCTCCAGC TATTACGGTT CTGTTTCGGC GCCCTCCTCG TCATGTTGTC GTGCATGGCT CACCACTGCC
 268 GluValLysP heAsnTrpTy rValAspGly ValGluValH iAsnAlaLys sThrLysPro ArgGluGluG IntYAsnSe rThrTyArg ValValSerVal
 1001 TCCTCACCGT CCTGCACCAG GACTGGCTGA ATGGCAAGGA GTACAAGTGC AAGTCTCCA ACAAAAGCCCT CCCAGCCCCC ATCGAGAAA CCATCTCCA
 AGGAGTGGCA GGACGTGTC CTGACCGACT TACCGTTCTT CATGTTACAG TTCCAGAGGT TGTTCGGGA GGGTCGGGG TAGCTCTTTT GGTAGAGGTT
 302 LeuThrVa lLeuHisGln AspTrpLeu aGlyLysG lTyrLysCys LysValSerA snLysAlaLe uProAlaPro lIleGluLysT hIleSerLys
 1101 AGCCAAAGGG CAGCCCCGAG AACCAAGGT GTACACCCTG CCCCATCCC GGAAGAAGAT GACCAAGAAC CAGTCAACC TGACCTGCTT GGTCAAAGGC
 TCGGTTTCCC GTCGGGGCTC TTGGTGCCA CATGTGGAC GGGGGTAGGG CCCTTCTCTA CTGTTCTTG GTCCAGTCGG ACTGACGGA CCAGTTTCCG
 335 AlaLysGly GlnProArg lProGlnVa lTyrThrLeu ProProsera rGluGluMe tThrLysAsn GlnValSerL euThrCysLe uValLysGly
 1201 TTCTATCCCA GCGACATCGC CGTGAGTGG GAGACCAATG GGCAGCCGGA GAACAATAAC AAGACCAGC CTCCCCTGCT GGACTCCGAC GGTCTCTTCT
 AAGATAGGGT CGCTGTAGCG GCACCTCAC CTCTCGTTAC CCGTCGGCT CTGTGTGATG TTCTGGTGGC GAGGGCAGCA CCTGAGGCTG CCGAGGAAGA
 368 PheTyrPro sPheAspIleAl aValGluTyr GluSerAsnG lylGlnProG lAsnAsnTyr LysThrThrP roProValLe uAspSerAsp GlySerPhePhe
 1301 TCCTCTACAG CAAGCTCAC GTGGACAAGA GCAAGTGGCA GCAGGGGAAC GTCTTCTCAT GCTCCGTGAT GCATGAGGCT CTGCACAACC ACTACAGCA
 AGGAGATGTC GTTCGAGTGG CACCTGTTCT CGTCCACCGT CGTCCCCTTG CAGAAGATGA CGAGGCATGA CGTACTCCGA GACGTGTTGG TGAATGTCGT
 402 LeuTyrSe rLysLeuThr ValAspLys sPheArgTyrG lnglLysAsn ValPheSer cysSerValMe tHisGluAla LeuHisAsnH iLysrThrGln
 1401 GAAGAGCCTC TCCCTGTCTC CGGGTAATG AGTGCAGCG CCCTAGAGTC GACCTGCAGA AGCTTAGAAC CGAGGGGCG CCATGGCCCA ACTGTTTAT
 CTTCTCGGAG AGGACAGAGG GCCCATTTAC TCACGTGCC GGGATCTCAG CTGGACGTCT TCGAATCTTG GCTCCCCGGC GGTACCGGGT TGAACAATA
 435 LysSerLeu SerLeuSerP roGlyLysOP * (SEQ ID NO. 26)
 sv40 early
 poly A
 1501 TGCAGCTTAT AATGTTACA AATAAAGCA TAGCATACA AATTTCACA ATAAAGCAT TTTTTCATG CATTTAGTT GTGTTTGT CAAACTCATC
 ACGTCGAATA TTACCAATGT TTAATTCGTT ATCGTAGTGT TTAAGTGT TATTTCGTA AAAAAGTGAC GTAAGATCAA CACCAACAG GTTGAAGTAG
 1601 AATGATCTT ATCATGTCTG GATCGATCGG GAATTAATTC GCGCAGAC CATGGCTGA AATAACCTCT GAAAGAGGA CTTGGTAGG TACCTTCTGA
 TTACATAGAA TAGTACAGAC CTAGCTAGCC CTTAATTAAG CCGCGTCGTG GTACCGGACT TTATTGGAGA CTTTCTCCTT GAACCAATCC ATGGAAGACT
 sv40 origin
 1701 GGCAGAAGA ACCAGCTGTG GAATGTGTGT CAGTTAGGT GTGAAAGTC CCCAGGCTCC CCAGCAGGA GAAATATGCA AAGCATGCAT CTCAATTAGT
 CCGCTTCT TGGTCGACAC CTTACACACA GTCAATCCA CACCTTTAG GGTCCGAGG GGTGTCGGT CTTCAATACG TTGCTACGTA GAGTTAATCA
 1801 CAGCAACAG GTGTGAAG TCCCAAGCT CCCACAGAG CAGAATATG CAAGCATGC ATCTCAATTA GTCAGCAACC ATAGTCCCG CCCTAAGTCC
 GTCGTGTGTC CACACCTTTC AGGGTCCGA GGGGTGTC GTCTTCAATC GTTTCGTACG TAGAGTTAAT CAGTCGTTGG TATCAGGGCG GGGATTGAGG

Figure 5B

1901 GCCCATCCCC CCCCTACTC CGCCCAATTC CGCCCATCTT CCGCCCCATG GCTGACTAAT TTTTTTAT TATGACAGAG CCGAGGCCGC CTCGGCCTCT
 CGGGTAGGGC GGGGATTGAG GCGGCTCAG GCGGGTAGA GCGGGGTAC CGACTGATTA AAAAAATTA ATACGTCTCC GGCTCCGGCG GAGCCGAGA
 2001 GAGCTATTCC AGAAGTAGTG AGGAGCCTTT TTTGAGGCC TAGCCTTTTG CAAAAGCTG TTAACAGCTT GGCCTGGCC GTCTTTTAC AACGTCTGA
 CTCGATAAGG TCTTCATCAC TCCTCCGAAA AACCTCCGG ATCCGAAAC GTTTTTCGAC AATTGTCGAA CCGTGACCGG CAGCAAAATG TTGACGACT
 start pUC18
 2101 CTGGGAAAC CTTGGCGTTA CCCACTTAA TCGCCTTGCA GCACATCCCC CCTTCGCCAG CTGGCGTAAT AGCGAAGAG CCCGCACCGA TCGCCCTTCC
 GACCTTTTGG GGACCGCAAT GGGTTGAAT AGCGGAACGT CGTGTAGGGG GGAAGCGGTG GACCGCATTA TCGCTTCTCC GGGCGTGCT AGCGGGAAGG
 2301 CAACAGTGC GTAGCCTGAA TGGCGAATGG CGCCTGATGC GGTATTTTCT CCTTACGCAT CTGTGCGGTA TTTCAACACCG CATACGTCAA AGCAACATA
 GTTGTCACAG CATCGACTT ACCGCTTACC GCGACTACG CCATAAAGA GGAATGCGTA GACACGCCAT AAAGTGTGGC GTATGCAATT TCGTTGGTAT
 2301 GTACGCGCCC TGTAGCGGCG CATTAGCGC GCGGGGTGTG GTGTTACGC GCAGCGTGAC CGCTACACTT GCCAGCGCCC TAGCGCCCGC TCCTTTCGCT
 CATGCGCGGG ACATCGCCGC GTAATTCGCG CCGCCACAC CACCAATGCG CGTGCACCTG GCGATGTGAA CGGTGCGGGG ATCGCGGGCG AGGAAAGCGA
 2401 TTCTTCCCTT CCTTCTCGC CACGTCGCC GGCTTTCGCC GTCAAGCTCT AAATCGGGGG CTCCCTTAG GGTTCGATT TAGTCTTTA CGGCACCTCG
 AAGAAGGAA GGAAGAGCG GTGCAAGCG CCGAAAGGG CAGTTGAGA TTAGCCCCC GAGGGAATC CCAAGGCTAA ATCAGGAAAT GCCGTGAGC
 2501 ACCCCAAAA ACTGATTTG GGTATGTT CACGTAGTG GCCATCGCCC TGATAGACGG TTTTCGCC TTTGACGTTG GAGTCCACGT TCTTTAATAG
 TGGGTTTTT TGAATAAC CCACTACCA GTGCATCAC CGGTAGCGGG ACTATCTGCC AAAAAGCGGG AAAGTGCAC CTCAGGTGCA AGAAATTATC
 2601 TGCACTCTTG TTCCAACCTG GAACAACACT CAACCTATC TCGGGCTATT CTTTGATTT ATAAAGGATT TTGCCGATTT CGGCTATTG GTTAAAAAT
 ACCTGAGAAC AAGTTTGAC CTGTGTGA GTTGGGATAG AGCCGATTA GAAACTTAA TATTCCTTAA AACGGCTAA GCCGATTAAC CAATTTTAA
 2701 GAGCTGATTT AACAAAATT TAACGCGAAT TTTAACAAA TATTAAGTT TACAATTTTA TGGTGCACTC TCAGTACCAAT CTGCTTGAT GCCGATAGT
 CTCGACTAAA TTGTTTTTA ATGCGCTTA AAATGTTTT ATAAATGCAA ATGTAAAT ACCACGTAG AGTCATGTTA GACGAGACTA CGGCTATCA
 2901 TAAGCCACT CCGCTATCG TACGTACTG GGTCAATGCT GCGCCCCGAC ACCCGCCAAC ACCCGCTGAC GCGCCCTGAC GGGCTGTCT GTCCCGCA
 ATTGCTTGA GCGGATAGCG ATGCACTGAC CCAGTACCGA CCGGGGCTG TGGCGGACTG CCGGGGACTG CCCGAACAGA CGAGGCGCT
 2901 TCCGCTTACA GACAAGTGT GACCGTCTCC GGAAGCTGCA TGTGTACAG GTTTTCACCG TCATCACCGA AACGCGGAG GCAGTATTCT TGAAGCGAA
 AGGCGAATGT CTGTTGACA CTGGCAGAGG CCCTCGACGT ACACAGTCT CAAAAGTGGC AGTAGTGGCT TTGCGCGCTC CGTCATTAAGA ACTTCTGCTT
 3001 AGGGCCTCGT GATACGCCCTA TTTTATAGG TTAATGTCAT GATAATAATG GTTCTTAGA CGTCAGGTGG CACTTTTCG GGAATGTGC GCGGAACCC
 TCCCGAGCA CTATCGGAT AAAAATATCC AATTAAGTA CTATTATTAC CAAAGATCT GCAGTCACG GTGAAAAGCC CCTTACAGC CGCCTTGGG

Figure 5C

09166666 4006666

3101 TATTTGTTA TTTTCTAATA TACATTCAAA TATGTATCCG CTCATGAGAC AATTAACCCCTG ATAAATGCTT CAATATATATT GAAAAAGGAA GAGTATAGT
ATAACAATAA AAAAGAATTT ATGTAAAGTTT ATACATAGGC GAGTACTCTG TTAATGGAC TAATTACGAA GTTATTATAA CTTTTCCTT CTCATACTCA
3201 ATTCAACATT TCCGTGTGCG CCTTATTTCC TTTTGTGCG CATTTTGCTT TCCGTGTTTT GCTCACCCAG AAACGCTGGT GAAAGTAAAA GATGCTGAAG
TAAGTTGTAA AGGCACAGCG GGAATTAAGG AAAAAACGCC GTAAACGGA AGACAAAAA CGAGTGGGTC TTTGCGACCA CTTTCATTTT CTACGACTTC
3301 ATCAGTTGGG TGCACGAGTG GGTATACATCG AACTGATCT CAACAGCGGT AAGATCCTTG AGAGTTTTCG CCCCAGAGAA CGTTTCCAA TGATGAGCAC
TAGTCAACCC ACGTGTCTAC CCAATGTAGC TTGACCTAGA GTTGTGCCA TTCTAGAAC TCTCAAAAGC GGGGCTTCTT GCAAAAGGTT ACTACTCGTG
3401 TTTTAAAGTT CTGCTATGTG GCGCGTATT ATCCCGTAT GACGCCGGG AAGACAACT CGGTGCGCG ATACACTATT CTCAGAATGA CTGTGTGAG
AAAAATTCAA GACGATACAC CGCGCCATAA TAGGCACCTA CTGCGGCCG TTCTGTTGA GCCAGCGCG TATGTATAA GAGTCTTACT GAACCAACTC
3501 TACTCACCAAG TCACAGAAAA GCATCTTACG GATGGCATGA CAGTAAGAGA ATTATGCAAT GCTGCCATTA CCATGAGTGA TAACACTGCG GCCAACTTAC
ATGAGTGGTC AGTGTCTTTT CGTAGAATGC CTACCGTACT GTCAATCTCT TAATACGTCA CGACGTATT GGTACTCACT ATTGTGACGC CGGTTGAATG
3601 TTCTGACAAC GATCGGAGGA CCGAAGGAGC TAACCGCTTT TTTGCACAAC ATGGGGATC ATGTAATCTG CCTGTATCGT TGGGAACCGG AGCTGAATGA
AAGACTGTTG CTAGCCTCCT GGCCTTCCTG ATTGGCGAAA AAACGTGTTG TACCCCTAG TACATTGAGC GGAATAGCA ACCCTTGCGC TCGACTTACT
3701 AGCCATACCA AACGACGAGC GTGACACCAAC GATGCCAGCA GCAATGGCAA CAACGTTGCG CAACATATTA ACTGGCGAAC TACTTACTCT AGCTTCCCGG
TCGGTATGCT TTGCTGCTCG CACTGTGGTG CTACGGTCGT CGTTACCGTT GTTGCAACGC GTTGTATAT TGAACGCTTG ATGAATGAGA TCGAAGGGCC
3801 CAACAATTTA TAGACTGGAT GGAGCGGAT AAAGTTGCA GACCACTCT GCGCTCGGCC CTTCGGGCTG GCTGTTTAT TGCTGATAAA TCTGAGCCG
GTTGTTAATT ATCTGACCTA CCTCCGCTTA TTTCAACGTC CTGTGAAGA CGCGAGCCGG GAAGGCCGAC CGACCAATA ACGACTATTT AGACCTCGGC
3901 GTGAGCGTGG GTCTCGCGGT ATCAITGCA GACTGGGGCC AGATGGTAA CCCTCCCGTA TCGTAGTTAT CTACACGAG GGGAGTCAGG CAACTATGGA
CACTCGCACC CAGAGCGCA TAGTAACGTC GTGACCCCGG TCTACCAITTC GGGAGGGCAT AGCATCAATA GATGTGCTGC CCTCAGTCC GTTGATACCT
4001 TGAACGAANT AGACAGATCG CTGAGATAGG TGCCTCACTG ATTAAGCAIT GGTAACTGTC AGACCAAGTT TACTCATATA TACTTAGAT TGAATTAATA
ACTTGCTTTA TCTGTCTAGC GACTCTATCC ACGGAGTGAC TAAITCGTAA CCAITGACAG TCTGTTCAA ATGAGTATAT ATGAATCTA ACTAAATTT
4101 CTTCAATTTT AATTTAAAG GATCTAGGTG AAGATCCTTT TTGATATCT CATGACCAAA ATCCCTTAAC GTGAGTTTC GTTCCACTGA GCGTCAGACC
GAAGTAAAA TTAATTTTCT CTAGATCCAC TTCTAGAAA AACTATTTAGA GTACTGGTTT TAGGGAATG CACTCAAAAG CAAGGTGACT CGCAGTCTGG
4201 CCGTAGAAAA GATCAAAAGGA TCTTCTGAG ATCCTTTTTT TCTGCGGTA ATCTGCTGCT TGCAACAATA AAAACCAACG CTACCAAGCG TGGTTGTTT
GGCATCTTT CTAGTTTCT AGAAGAACTC TAGAAAAAAA AGACGCGCAT TAGACGACGA ACGTTGTTT TTTTGTGGC GATGTGCGC ACCAAACAAA
4301 GCCGATCAA GAGTACCAA CTCTTTTCC GAAGGTAACT GGCTTCAGCA GAGCGAGAT ACCAAATACT GTCTTCTAG TGTAGCCGTA GTTAGGCCAC
CGGCTAGTT CTCGATGGTT GAGAAAAAGG CTTCCATGTA CCGAAGTCGT CTCGCGTCTA TGGTTATGA CAGGAAGATC ACATCGGCAT CAATCCGGTG

Figure 5D

4401 CACTTCAGAA ACTCTGTAGC ACCGCTTACA TACCTCGCTC TGCTAATCCT GTTACCAGTG GCTGCTGCCA GTGGCGATTA GTGCTGCTT ACCGGTTGG
 GTGAAGTTCT TGAGACATCG TGGCGGATGT ATGAGCGAG ACGATTAGGA CAATGTGCAC CGACGACGGT CACCGCTATT CAGCACAGAA TGGCCCAACC
 4501 ACTCAAGACG ATAGTTACCG GATAAGCGC AGCGGTGCGG CTGAACGGGG GGTTCGTGA CACAGCCCGAG CTTGAGCGA ACGACCTACA CCGAAGTGA
 TGAGTTCTGC TATCAATGGC CTATTCCGCG TCGCCAGCCC GACTTGCCCC CCAAGCACGT GTGTGGGTC GAACCTCGCT TGCTGGATGT GGCTTGACTC
 4601 ATACCTACAG CGTGAGCATT GAGAAAGCGC CAGCTTCCC GAAGGAGAA AGCGGACAG GTATCCGGTA AGCGGACGGG TCGGAACAGG AGAGCGCACG
 TATGATGTGC GCACCTCGTA CTCTTTCGCG GTGCGAAGGG CTTCCTCTT TCCGCTGTG CATAGGCCAT TCGCGTCCC AGCCTGTCC TCTCGCGTGC
 4701 AGGAGCTTC CAGGGGAAA CGCTGTGTAT CTTTATAGTC CTGTGCGGT TCGCCACCTC TGACTTGAGC GTCGATTCTT GTGATGCTCG TCAGGGGGGC
 TCCCTCGAAG GTCCCCCTTT GCGGACCATA GAAATATCAG GACAGCCCAA AGCGGTGAG ACTGAATCG CAGCTAATAA CACTACGAGC AGTCCCCCG
 4801 GGAGCCTATG GAAAAACGCC AGCAACGCGG CCTTTTACG GTTCTGCGC TTTTGCTGGC CTTTGTCTCA CATGTTCTTT CCTGCTTAT CCCCTGATT
 CCTCGGATAC CTTTTCGCG TCGTTGCGC GGAATAATGC CAAGGACCGG AAACGACCG GAAACGAGT GTACAAGAA GGACGCAATA GGGGACTAAG
 4901 TGTGGATAC CGTATTACCG CCTTGTAGTG AGCTGATACC GCTCGCCGCA GCCGAACGAC CAGCGCAGC GAGTCAGTGA GCGAGGAAGC GGAAGAGCGC
 ACACCTATTG GCATAATGGC GGAACCTCAC TCGACTATGG CAGCGCGCT CGGCTGTCTG GCTCGCGTGC CTCAGTCACT CGCTCTTCG CCTTTCGCG
 5001 CCAATACGCA AACCGCTCT CCCCCGCGCT TGGCCGATTC ATTAATCCAG CTGGCAGCAG AGGTTCCCG ACTGGAAGC GGGCAGTGAG CGCAACGCA
 GGTATGCGT TTGGCGGAGA GGGGCGCGCA ACCGGCTAAG TAAATAGTC GACCGTCTG TCCAAGGGC TGACCTTTCG CCCGTCACTC GCGTTCGCT
 5101 TTAATGTGAG TTACCTCACT CATTAGGCAC CCCAGGCTT ACACCTTATG CTTCGGCTC GTATGTGTG TGAATGTG AGCGGATAC AATTTCACAC
 AATTACACTC AATGAGTGA GTAAATCCGT GGGTCCGAA TGTGAATAC GAAAGCCGAG CATACAACAC ACCTTAACAC TCGCTATTG TTAAGTGTG
 5201 AGGAACAGC TATGACCATG ATTACGAATT AATTGAGCT CGCCCGACAT TGATTATTGA CTAGTTATTA ATAGTAATCA ATTACGGGGT CATTAGTTCA
 TCCTTTGTCG ATACTGGTAC TAAATCTTAA TTAAGCTGA GCGGCTGTA ACTAATACT GATCAATAAT TATCAATTAGT TAATGCCCA GTAATCAAGT
 from pM1CMV beginning to HindIII, enhancers and promoter
 5301 TAGCCCATAT ATGAGTTCC GCGTTACATA ACTTACGTA AATGGCCCG CTGGCTGACC GCCCAACGAC CCCCCCCCAT TGACGTCAAT AATGAGTAT
 ATCGGTATA TACCTCAAG CGCAATGTAT TGAATGCCAT TTACGGGGC GACGACTGG CGGTTGCTG GGGGCGGGTA ACTGAGTTA TTACTGCATA
 5401 GTTCCCATAG TAACGCCAAT AGGACTTTC CATTGACGTC AATGGGTGA GTATTACGG TAAACTGCC ACTTGGCAGT ACATCAAGTG TATCATATG
 CAAGGTATC ATGCGGTTA TCCCTGAAG GTAACTGCAG TTACCCACT CATTAATGCC ATTGACGGG TGAACCGTCA TGTAGTTAC ATAGTATACG
 5501 CAAGTAGCC CCCTATTGAC GTCAATGACG GTAATGGCC CGCTGGCAT TATGCCAGT ACATGACCTT ATGGGACTTT CCTACTTGGC AGTACATCTA
 GTTCATGCGG GGGATAACTG CAGTTACTGC CATTTACCG GCGACCGTA ATAGGGTCA TGTACTGAA TACCCTGAA GGATGAACCG TCATGTAGAT

Figure 5E

0945698.100598

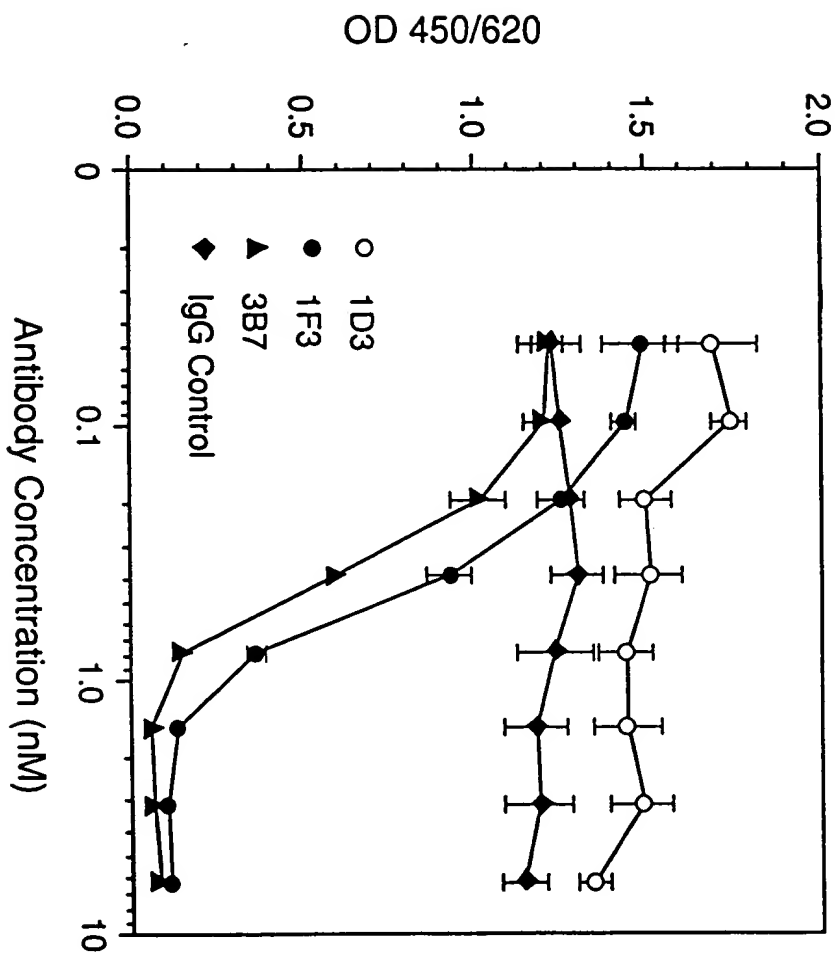


Figure 1

00166993 100593

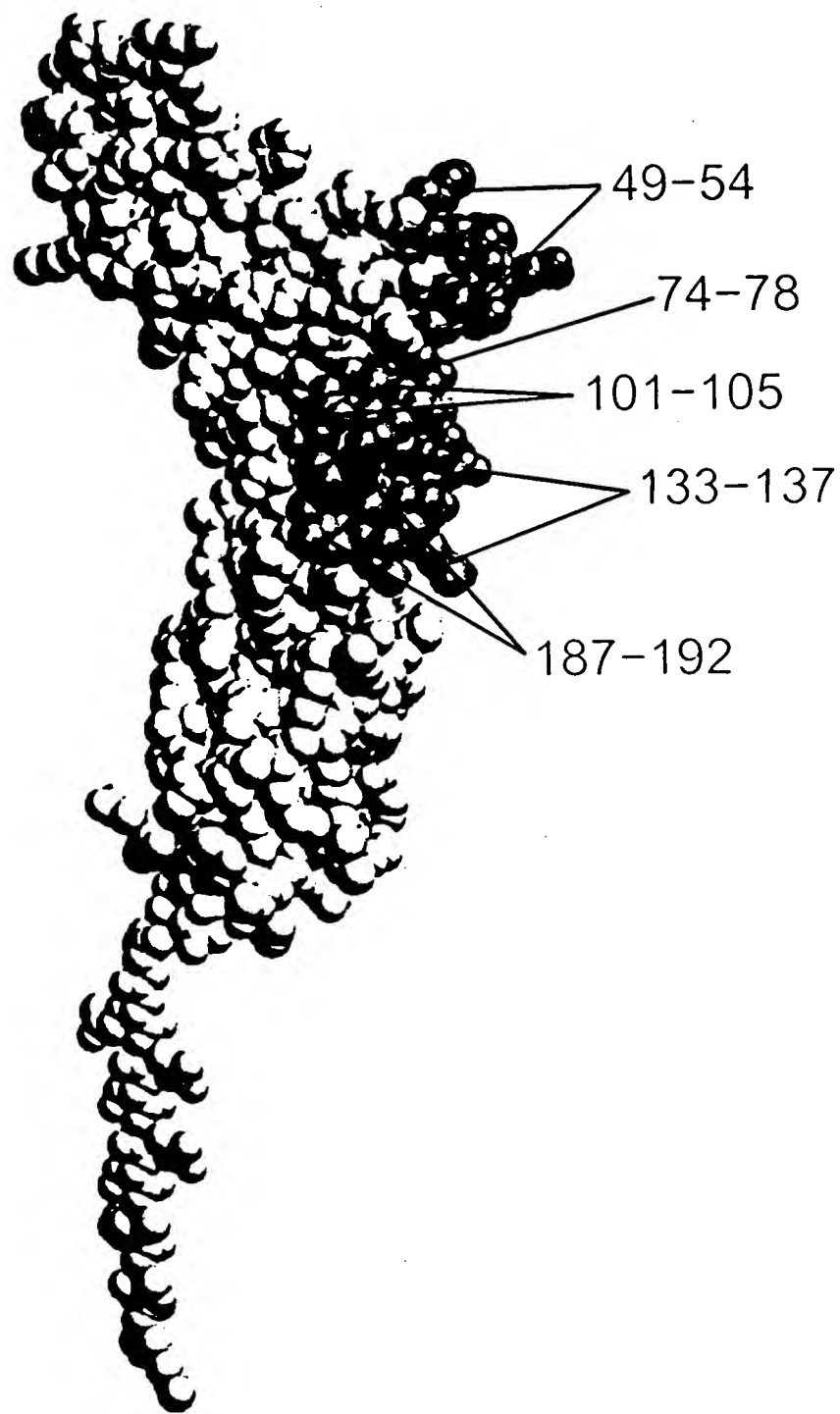


Figure 4

1 GAATTCCTAA AATAGCAAA GATGCTTTG AGCCGAATG CCTTCATCGT CAGATCACTT AATTGGTTC TCATGGTGA TATCAGCCTC GTGTTGGTA
CTTAAGGATT TTATCGTTT CTACGAAAC TCGGCTTAC GGAATGACA GTCTAGTGA TTAACCAAG AGTACCACAT ATAGTCGAG CACAACCAT
11e

1 human alpha beta receptor

101 TTTCATATGA TTGCGCTGAT TACACAGATG AATCTTGCAC TTTCAGAGATA TCATTGCCGA ATTCCGGTC CATCTTATCA TGGGAATTAA AAACCACTC
AAGTATACT AAGCGACATA ATGTGTCTAC TTAGAAGCTG AAAGTTCTAT AGTAACGCTT TAAAGGCCAG GTAGAATAGT ACCCTTAATT TTTGGTGAG
2 SerTyraS pSerProasp TyrThrAspG luserCystH rPheLysIle SerLeuArgA snPheArgSe rIleLeuSer TyrGluleul yAsnHisSer

201 CATTTGACCA ACTCACTATA CATTCGTGA TACAATCATG AGTAACCAAG AAGATTGAA GGTGGTTAAG AACTGTGCA ATACCACAAAG ATCATTTTGT
GTAACATGAT TGAATGATAT GTAACGACAT AGTTAGTAC TCATTGGTC TTCTAACTT CCACCAATTG TTGACACAGT TATGGTGTTC TAGTAACA
35 IleValPro ThrHisTyrT hrLeuleuTy rThrIleMet SerLysProG lAspLeuLy sValValLys AsnCysAlaA snThrThrAr gSerPheCys

301 GACCTCACAG ATGAGTGAAG AAGCACACAC GAGGCTATG TCACCGTCTT AGAAGATTG AGCGGACCA CAACGTGTT CAGTTGCTCA CACAATTCT
CTGAGATGTC TACTCACTC TTCGTGTG CTCCGATAC AGTGCAGGA TCTTCTTAAG TCGCCCTTGT GTTGCAACAA GTCAACGAGT GTGTTAAGA
68 AspLeuThra spGlutPrar gSerThrHis GluAlaTyrV alThrValle uGluGlyPhe SerGlyAsnT hrThrLeuPh eSerCysSer HisAsnPhetPr

401 GGCTGGCCAT AGACATGTCT TTGAACCAAC CAGAGTTTGA GATTGTGTT TTACCAACC ACATTATGAT GATGGTGAA TTTCATCTA TTGTTGAGA
CCGACCGGTA TCTGTACAGA AAACTTGGTG GTCTCAACT CTACACACCA AAATGTTGG TGTAAATTACA CTACCACTTT AAAGTAGAT AACACTCCT
102 LeuAlaIle eAspMetSer pheGluProP roGluPheGl uIleValGly PheThrAsnH isIleAsnVa lMetValLys pheProserI leValGluGlu

501 AGAATTACAG TTTGATTAT CTCTCGTCAT TGAAGAACAG TCAGAGGGA TTGTTAAGAA GCATAAACC GAAATAAAG GAAACATGAG TGGAAATTTC
TCTTAATGTC AAACTAATA GAGAGCAGTA ACTTCTGTC AGTCTCCCTT AACAACTCTT CGTATTGGG CTTATTTC CTTGTACTC ACCTTTAAAG
135 GluLeuGln pheAspLeus erLeuValIle eGluGluGln SerGluGlyI leValLysLy sHisLysPro GluIleLysG lYAsnMetSe rGlyAsnPhe

601 ACCTATATCA TTGACAAGTT AATCCAAAC ACGAACTACT GTGATCTGT TTATTAGAG CACAGTGATG AGCAAGCAGT AATAAGTCT CCCTTAAAT
TGGATATAGT AACTGTTCAA TTAAGGTTTG TGCTTGATGA CACATAGACA AATAATCTC GTGTCACTAC TCGTTCGTCA TTATTGAGA GGAATTTTA
38 ThrTyriIleI leAspLysLe uIleProasn ThrAsnTyrC yValSerVa lTyrLeuGlu HisSerAspG lGlnAlaVala lIleLysSer ProLeuLysCys

701 GCACCTTCTT TCCACCTGGC CAGGAATCAG AATCAGCAGA ATCTGCCGAC AAAACTCACA CATGCCACAC GTGCCACAGA CCTGAACCTC TGGGGGAGC
CGTGGAGGA AGGTGAGCCG GTCCTTAGTC TTAGTCGTCT TAGACGGCTG TTTTGAAGT GTACGGGTGG CACGGGTGCT GGAATTGAG ACCCCCTGG
202 ThrLeuLe uProProGly GluGluSerG luserAlaGl uSerAlaAsp LysThrHisT hrCysProPr oCysProAla ProGluLeul euGlyGlyPro
IggI

801 GTCAGTCTTC CTCTTCCCC CAAAACCAA GGACACCCTC ATGATCTCCC GGACCCCTGA GGTACATGTC GTGGTGTTGG ACGTGAGCCA CGAAGACCTT
CAGTCAGAAG GAGAGGGGG GTTTGGGTT CCTGTGGAG TACTAGAAGG CCTGGGACT CCAAGTAGAG CACCACACAC TGCACTCGGT GCTTCGGGA
235 SerValPhe LeuPheProP roLysProLy sasPThrLeu MetIleSera rGThrProGl uValThrCys ValValVala spValSerHi sGluAspPro

Figure 5A

901 GAGTCAAGT TCAACTGTGTA CGTGACGGC GTGAGGTGC ATAATGCCAA GACAAAGCCG CGGGAGGAGC AGTACAACAG CACGTACCAG GTGGTCAGCG
 CTCAGTTC AATTGACCAT GCACCTGCCG CACCTCCAGC TATTACGGTT CTGTTTCGGC GCCCTCTCCG TCATGTTGTC GTGCATGGCT CACCACTGGC
 268 GluValLysP heAsnTrpTy rValAspGly ValGluValH iAsnAlaLys sThrLysPro ArgGluGluG IntfAsnSe rThrTyArg ValValSerVal
 1001 TCCTCACCGT CCTGCACCAG GACTGGCTGA ATGGCAAGGA GTACAAGTGC AAGGTCTCCA ACAAAAGCCCT CCCAGCCCCC ATCGAAGAAA CCATCTCCA
 AGAGTGGCA GGACGTGGTC CTGACCGACT TACCGTTCCCT CATGTTCCAG TTCCAGAGGT TGTTCGGGA GGGTCGGGG TAGCTCTTTT GGTAGAGTT
 302 LeuThrVa lLeuHisGln AspTrpLeuA snGlyLysG lTyrLysCys LysValSerA snLysAlaLe uProAlaPro iLeuLysT hrIleSerLys
 1101 AGCCAAAGG CAGCCCCGAG AACCAAGGT GTACACCCTG CCCCATCCC GGGAAAGAT GACCAAGAAC CAGGTACCC TGACCTGGCT GGTCAAAGC
 TCGGTTCCC GTCGGGCTC TTGGTCCA CATGTGGAC GGGGGTAGGG CCCTTCTTA CTGTTCTTG GTCCAGTCGG ACTGACGGA CCAATTCCG
 335 AlaLysGly GlnProArg lProGlnVa lTyrThrLeu ProProserA rglGluGluE lThrLysAsn GlnValSerL euthrCysLe uValLysGly
 1201 TTCTATCCA GCGACATCGC CGTGAGTGG GAGAGCAATG GGCAGCCGGA GAACAACCTAC AAGACCACGC CTCCCCTGCT GACTCCGAC GGTCTCTCT
 AAGATAGGGT CGGTGACG GCACCTCAC CTCTCGTTAC CCGTCGGCT CTGTGATG TTCTGGTGG GAGGACGGA CTTGAGGCTG CCGAGGAAGA
 368 PheTyrPro sAspIleAl aValGluTrp GluSerAsnG lylGlnProG lAsnAsnTyr LysThrThrp roProValLe uAspSerAsp GlySerPhePhe
 1301 TCCTCTACAG CAAGCTCAC GTGACACAGA GCAGTGGCA GCAGGGGAAC GTCTTCTCAT GCTCCGTGAT GCATGAGGT CTGCACAAAC ACTACAGCA
 AGGAGATGTC GTTCGAGTGG CACCTGTCT CGTCCACCGT CGTCCCCTG CAGAAGAGTA CGAGGCACTA CGTACTCCGA GACGTGTTGG TGATGTCGT
 402 LeuTyrSe rLysLeuThr ValAspLys sArgTrpG lGlnGlyAsn ValPheSerC ySerValMe thisGluAla LeuHisAsnH iSyrThrGln
 1401 GAAGAGCCTC TCCCTGTCTC CGGGTAAATG AGTCGACGG CCTTAGATGC GACCTGCAGA AGCTTAGAAC CGAGGGCCG CCATGGCCCA ACTTGTTAT
 CTCTCGGAG AGGACACAGAG GCCCATTTAC TCACGCTGCC GGAATTCAG CTGACGTCT TCGAATCTTG GTCGCCCGC GGTACCGGTG TGAACAATA
 435 LysSerLeu SerLeuSerP roGlyLysOP * (SEQ ID NO. 26)
 sv40 early
 poly A
 1501 TGCAGCTTAT AATGTTACA AATAAAGCA TAGCATCACA AATTTCACA AATAAGCAT TTTTCACTG CATTTAGTT GTGGTTGTC CAACTCATC
 ACGTCGAATA TTACCAATGT TTAATTCGTT ATCGTAGTGT TTAAGTGT TATTGCTAA AAAAGTGAC GTTAGATCAA CACCAACAG GTTAGTAG
 1601 AATGATCTT ATCATGTCTG GATGCATCGG GAATTAATTC GGGCGACGAC CATGGCTGA AATACTCT GAAAGAGAA CTGGTTAGG TACCTTCTGA
 TTACATAGAA TAGTACAGAC CTAGTAGCC CTTAATTAAG CCGCGTCGTG GTACCGACT TTATTGAGA CTTTCTCTT GAACCAATCC ATGGAAGACT
 sv40 origin
 1701 GGCAGAAAGA ACCAGCTGTG GAATGTGTGT CAGTTAGGGT GTGGAAGTC CCCAGGCTCC CCAGCAGCA GAAGTATGCA AAGCATGCAT CTCATTAAGT
 CCGCTTTCT TGGTCGACAC CTTACACACA GTCAATCCA CACCTTTCAG GGGTCGAGG GGTCTCCGT CTTCATACGT TTCGTACGTA GAGTTAATCA
 1801 CAGCAACCAAG GTGTGGAAG TCCCAAGGT CCCACAGCAG CAGAATATG CAAAGCATGC ATCTCAATTA GTACGCAAC ATAGTCCCG CCCTAATCC
 GTCGTTGGTC CACACCTTTC AGGGTCGCA GGGGTCTCC GTCTTCATAC GTTTCGTACG TAGAGTTAAT CAGTCGTTGG TATCAGGGCG GGATTGAGG

Figure 5B

3101 TATTGTTTA TTTTCTTAA TACATTCAA TATGATCCG CTCATGAGAC AATAACCCTG ATAATGCTT CATATATATT GAAAAAGGA GAGTATGAGT
ATAACAAT AAAAGATTT ATGTAAGTTT ATACATAAGC GAGTACTCTG TTATTGGGAC TATTACGAA GTTATTATAA CTTTTCCTT CTCATACTCA
3201 ATTCACATTT TCCGTGTCG CCTTAATCCC TTTTGGCGG CATTTTGCTT TCCGTGTTT GCTCACCAG AAACGCTGT GAAAGTAAA GATGCTGAG
TAAGTTGTA AGGCACAGCG GGAATAAGG AAAAACGCC GTAAACGGA AGACAAAAA CGAGTGGGTC TTGCGACCA CTTTCATTTT CTAGACTTC
3301 ATCAGTTGGG TGCACGAGTG GGTACATCG AACTGATCT CAACAGCGGT AAGATCCTTG AGAGTTTTCG CCCCAGAGA CGTTTCCAA TGATGAGCAC
TAGTCAACC ACGTGCTAC CCAATGAGC TTGACCTAGA GTTGCGCA TTCTAAGAAC TCTCAAAAGC GGGGCTTCTT GCAAAAGGT ACTACTCGTG
3401 TTTTAAAGTT CTGCTATG TGCGGCTATT ATCCCGTAT GACGCGGCGC AAGAGCACT CGGTGCGCGC ATACACTATT CTCAGAATGA CTTGTTGAG
AAAATTTC A GACGATACAC CGCGCATAA TAGGCACTA CTGCGGCGCG TTCTCGTTGA GCCAGCGCGC TATGTGATAA GAGTCTACT GAACCAACTC
3501 TACTCACCAG TCACAGAAAA GCATCTTACG GATGCGATGA CAGTAAGAGA ATTATGAGT GCTGCCATTA CCATGAGTGA TAACACTGCG GCCAACTTAC
ATGAGTGCTC AGTGCTTTT CGTAGAATGC CTACCGTACT GTCATTTCTT TAATACGTCA CGACGTTATT GGTACTACT ATTGTGACGC CGGTTGAATG
3601 TTCTGACAC GATCGGAGGA CCGAAGAGC TAAACGCTTT TTGACACAAC ATGGGGATC ATGTAAGTCTG CCTTGATCGT TGGGAACCGG AGCTGAATGA
AAGACTGTTG CTAGCCTCCT GGCCTTCCTG ATTGGCGAAA AAACGTGTTG TACCCCTAG TACATTGAGC GGAACTAGCA ACCCTTGCGC TCAGCTTACT
3701 AGCCATACCA AACGACGAGC GTGACACCAC GATGCCAGCA GCAATGGCAA CAACGTTGCG CAACTATTTA ACTGGCGAAC TACTTACTCT AGCTTCCCGG
TCGGTATGTT TTGCTGCTCG CACTGTGTTG CTACGTCGT CGTTACCGTT GTTGCAACGC GTTGATTAAT TGACCGCTTG ATGAATGAGA TCGAAGGGCC
3801 CAACAATTAA TAGACTGAT GGAGCGGAT AAAGTTGCAG GACCACTTCT GCGCTCGGCC CTTCGGGCTG GCTGTTTAT TGCTGATAAA TCTGAGCCG
GTTGTTAATT ATCTGACCTA CCTCCGCTTA TTCAACGTC CTGTGAAGA CGCAGCCGG GAAAGCCGAC CGACCAATA ACGAATAATT AGACCTCGGC
3901 GTGAGCGTGG GTCTCGCGGT ATCAATTGAC CACTGGGGCC AGATGTTAG CCCTCCCGTA TCGTAGTTAT CTACACGAGC GGGAGTCAGG CAACTATGGA
CACTCGCACC CAGAGCGCA TAGTAACGTC GTGACCCCG TCTACCATTC GGAAGGCAT AGCATCAATA GATGTGCTGC CCTCAGTCC GTTGATACT
401 TGAACGAAT AGACAGATCG CTGAGATAGG TGCCTCACTG ATTAAGCATT GGTAACTGTC AGACCAAGTT TACTCATATA TACTTAGAT TGAATTA
ACTTGCTTTA TCTGTCTAGC GACTTATCC ACGGAGTAC TAATTCGTA CCATGACAG TCTGTTCAA ATGAGTATAT ATGAATCTA ACTAAATTTT
4101 CTTCAATTTT AATTAAAG GATETAGTG AAGATCCTTT TTGATATCT CATGACCAA ATCCCTAAC GTGAGTTTC GTTCACTGA GCGTCAGACC
GAAGTAAAA TTAATTTT CTAGATCCAC TTCTAGGAAA AACTATTAGA GTACTGTTT TAGGAATG CACTCAAAAG CAAGTGAAT CGCAGTCTG
4201 CCGTAGAAAA GATCAAGGA TCTTCTGAG ATCCTTTT TCTGCGGTA ATCTGCTGCT TGCAACAAG AAAACCAACG CTACAGCGG TGGTTGTTT
GGCATCTTT CTAGTTCT AGAAGAACTC TAGAAAAAA AGACGCGCAT TAGACGACGA ACGTTGTT TTTGGTGCG ACCAACA
4301 GCCGATCAA GAGTACCAA CTCCTTTTCC GAAAGTAACT GGCTTCAGCA GAGCGCAGT ACCAATACT GTCCTCTAG TGTAGCCGTA GTTAGGCCA
CGGCCTAGTT CTCGATGTT GAGAAAAAG CTTCAATGA CCGAAGTCGT CTCGCGTTA TGGTTATGA CAGGAAGATC ACATCGCAT CAATCCGCTG

Figure 5D

4401 CACTTCACAGA ACTCTGTAGC ACCGCTTACA TACCTCGCTC TGCTAATCCT GTTACCACTG GCTGCTGCCA GTGGCGATTA GTCGTGTCTT ACCGGGTTGG
GTGAAGTTCT TGAGACATCG TGGCGATGT ATGAGCGAG ACGATTAGGA CAATGTCTAC CGACGACGGT CACCGCTATT CAGCACAGAA TGGCCCAACC

4501 ACTCAGACG ATAGTTACC GATAAGGCGC AGCGTCCGG CTGAACGGGG GGTTCGTGA CACAGCCAG CTTGAGCGA ACGACCTACA CCGAACTGAG
TGAGTTCTGC TATCAATGCG CTATTCGCG TCGCAGCCC GACTTGCCCC CCAAGCACGT GTGTGGGTC GAACCTCGCT TGCTGGATGT GGCCTGACTC

4601 ATACCTACAG CGTGACATT GAGAAAGCGC CACGCTTCCC GAAGGAGAA AGCGGACAG GTATCCGGTA AGCGGACAGG TCGGAACAGG AGAGCGACG
TATGATGTC GCACCTGTAA CTCTTCGCG GTGCGAAGG CTTCCTCTT TCCGCTGTC CATAGGCCAT TCGCCGTCC AGCCTGTCC TCTCGCGTGC

4701 AGGAGCTTC CAGGGGAAA CGCTGTAT CTTTATAGTC CTGTGGGTT TCGCCACCTC TGACTTGAGC GTCGATTTT GTGATGCTCG TCAGGGGGC
TCCCTCGAAG GTCCCCCTT GCGACCATTA GAAATATCAG GACAGCCCAA AGCGGTGAG ACTGAACCTCG CAGCTAAAA CACTACGAGC AGTCCCCCG

4801 GGAGCCTATG GAAAAACGCC AGCAACGCG CTTTTTACG GTTCCCTGGC TTTTGTGCTCA CATGTTCTT CCTGCTTAT CCCCTGATTC
CCTCGGATAC CTTTTCGCG TCGTTGCGC GAAAAATGC CAAGGACCG AAAACGACCG GAAAAAGAT GTACAAGAAA GGACGCAATA GGGGACTAAG

4901 TGTGGATAC CGTATTACC CCTTGAAGT AGCTGATACC GCTCGCCGCA GCCGAACGAC CGAGCGCAGC GAGTCACTGA GCGAGGAAG GGAAGGCGC
ACACCTATTG GCATAATGGC GGAACCTAC TCGACTATGG CGAGCGCGT CGGCTGTCTG GCTCGCGTCTG CTGAGTCACT CGCTCCTTCC CTTCTCGCG

5001 CCAATACGCA AACCGCTCT CCGCGCGCGT TGGCCGATTC ATTAATCCAG CTGGCACGAC AGGTTTCCC ACTGGAAGC GGGCAGTGA CGCAACGCA
GGTTATGCGT TTGGCGGAGA GGGCGCGCA ACCGCTAAG TAATTAAGTC GACCGTCTG TCCAAGGGC TGACCTTTC CCGTCACTC GCGTTCGCT

5101 TTAATGTAG TTACCTACT CATTAAGCAC CCCAGCTT ACACCTTATG CTTCGCGCTC GTATGTTGTG TGGAAITGTG AGCGATTAAC AATTACAC
AATTACACTC AATGAGTGA GTAATCCGTG GGTCCGAA TGTGAATAC GAAAGCCGAG CATACAACAC ACCTTAACAC TCGCCTATTG TTAAGTGTG

5201 AGGAACAGC TATGACCATG ATTAAGAATT AATTGAGCT CGCCGACAT TGAATTATGA CTAGTTATTA ATAGTAATCA ATTACGGGT CATTAATTCA
TCCCTTGTG ATACTGCTAC TAATGCTTAA TTAAGCTCGA GCGGCTGTA ACTAATACT GATCAATAAT TATCATTAAT TAATGCCCA GTAATCAAGT

from pMLCMV begining to HindIII, enhancers and promoter

5301 TAGCCCATAT ATGAGTTC GCGTTACATA ACTTACGGTA AATGCGCG CTGCTGACC GCCCAACGAC CCGCGCCCAT TGACGTCAAT AATGACGTAT
ATCGGTATA TACCTCAAG CGCAATGTAT TGAATGCCAT TTACCGGGCG GACCGACTG CGGTTGCTG GGGCGGGTA ACTGCACTTA TTACTGCATA

5401 GTTCCCATAG TAAAGCCAAT AGGACTTTC CATGACGTC AATGGTGA GTATTACGG TAAACTGCC ACTTGCACT ACATCAAGT TATCATATGC
CAAGGTATC ATGCGGTTA TCCTGAAAG GTAATGCAG TTACCCACT CATTAATGCC ATTGACGGG TGAACGTCA TGTAGTTAC ATAGTATACG

5501 CAAGTACGCC CCCTAATGAC GTCAATGAC GTAATGGCC CGCTGGCAT TATGCCAGT ACATGACCTT ATGGACTTT CCTACTTGGC AGTACATCTA
GTTCATGCGG GGGATTAATG CAGTTACTGC CATTTACCG GCGGACCGTA ATACGGGTCA TGTACTGAA TACCCTGAAA GGATGAACCG TCATGTAGAT

Figure 5E

09 16 23 23 10 03 23

5601 CGTATTAGTC ATCGCTATTA CCATGGTGAT GCGGTTTGG CAGTACATCA ATGGCGGTGG ATAAGCGTTT GACTCACGGG GATTTCAGG TCTCCACCCC
 GCATAATCAG TAGCGATAAT GTTACCACCTA CGCCAAACC GTCATGTAGT TACCCGACC TATCGCCAAA CTGAGTGCCC CTAAAGTTT AGAGGTGGGG
 5701 ATTGACGTCA ATGGAGTTT GTTTGGCAC CAAATCAAC GGGACTTTC AAAATGTCTG AACAACTCCG CCCCAITGAC GCAATGGGG GGTAGCGGTG
 TAACTGCAGT TACCCTCAA CAAAACCGTG GTTTAGTTG CCTGAAAGG TTTACAGCA TTGTTGAGGC GGGTAACTG CGTTTACCCG CCATCCGCAC
 5801 TACGGTGGG GGTCTATAA AGCAGAGCTC GTTTAGTGA CCGTCAGATC GCGTGAAGAC GCCATCCAG CTGTTTGAC CTCATAGAA GACACCGGGA
 ATGCCACCCT CCAGATATAAT TCGTCTCGAG CAATCACTT GGCAGTCTAG CGGACCTCTG CGGTAGGTGC GACAAACTG GAGTATCTT CTGTGGCCCT
 5901 CCGATCCAGC CTCGCGCGCC GGAACGGTG CATGGAACG CGATTCGCC GTGCCAAGAG TGACGTAGT ACCGCTATA GAGTCTATG GCCCACCACC
 GGCTAGGTG GAGGCGCGCG CCTTGCCAC GTAACTTGC GCTAAGGGG CAGGTTCTC ACTGCATTCA TGGCGATAT CTCAGATATC CGGTGGGGG
 6001 TTGGCTCGTT AGAACGCGGC TACAATTAAT ACATAACCTT ATGTATCATA CACATAGAT TTAGTGACA CTATAGATA ACATCACTT TGCTTTCTC
 AACCGAGCAA TCTTGCGCGG ATGTTAATTA TGTATTGAA TACATAGTAT GTGTATGCTA AATCCACTGT GATATCTTAT TGTAGTGAA ACGAAAGAG
 sp6 promoter
 6101 TCCACAGGTG TCCACTCCCA GTTCCAATG CAGGCCATGG CGGCCATCGA TT (SEQ ID NO. 25)
 AGGTGTCCAC AGGTAGGGT CCAGTTGAC GTCCGGTACC GCCGGTAGCT AA
 cloning linker
 sp6 RNA start

Figure 5F

09166993 100593